

PROPOSED CLAIM AMENDMENTS

1. (Amended). A portable distance tracking system for use by a player on a playing field, wherein said playing field includes at least a first landmark, and wherein said system comprises at least one mobile interface unit including:

A. a memory element including means for storing digitized map representations of at least one said playing field;

B. position interface electronics including [means] a first GPS receiver for receiving position indicative signals from [an external source,] a Global Positioning System satellite constellation located in orbit around the Earth, wherein said position indicative signals are representative of a geographical location of said mobile interface unit;

C. a data processor, coupled to said memory element and to said position interface electronics, and including means for processing said position indicative signals to determine said geographical location of said mobile interface unit, means for corresponding said geographical location of said mobile interface unit with said digitized map representation of said playing field to determine a field location of said mobile interface unit on said playing field, and means for determining a distance between said mobile interface unit and said first landmark; and

D. a player interface, coupled to said data processor, and including means for communicating at least said distance between said mobile interface unit and said landmark to said player.

Cancel claim 2.

3. (Amended) A portable distance tracking system according to claim [2] 1 wherein said system further comprises a GPS master unit, wherein said GPS master unit is positioned at a fixed location having known longitude and latitude coordinates and includes:

A. a second GPS receiver for receiving said position indicative signals from said Global Positioning System satellite constellation, and a [second] GPS processor having means for processing said position indicative signals to determine a calculated longitude and a calculated latitude for said fixed location of said GPS master unit.[:] and

B. wireless transmission means for transmitting an error correction signal to said mobile interface unit, wherein said error correction signal is based at least in part on a difference between said known longitude and latitude and said calculated longitude and latitude, and wherein

said position interface electronics includes [C.] wireless reception means for receiving said error correction signal from said GPS master unit, and said first GPS processor includes means for processing said error correction signal with said position indicative signals to determine a corrected geographical position of said mobile interface unit.

Cancel claim 4.

5. (Amended) A portable tracking system according to claim [2] 1 wherein said memory element includes a replaceable portion[, said replaceable portion being capable of] for storing digitized map representations of different playing fields, thus enabling a player to use[s] said mobile interface unit at a plurality of playing fields.

In claim 6, line 1, replace "2" with --1--.

In claim 7, line 1, replace "2" with --1--.

In claim 8, line 1, replace "2" with --1--.

In claim 9, line 1, replace "2" with --1--.

In claim 10, line 3, before "processor" insert --data--.

11. (Amended) A portable distance tracking system according to claim [9] 1 wherein said memory element includes means for storing a plurality of said digitized map representations and said system includes means for [processing] correlating said geographical location with said digitized map representations to [position indicative signals to] automatically [determine] identify a [which] particular golf course that a golfer has selected to play[, said processor includes means for accessing said digitized map representation for said particular golf course in response to said determination, and said display includes means for displaying an identification code associated with said particular golf course].

In claim 19, line 2, after "selected" delete "hole".

In claim 22, line 3, replace "position" with --location--.

In claim 36, line 2, replace "arranged to receive" with --for receiving--.

In claim 36, line 6, before "location" insert --first--.

In claim 38, replace "an LCD" with --a liquid crystal--.

39. (Amended) A system according to claim 36 wherein said GPS receiver means is a differential GPS receiver having means for receiving and applying a correction signal, and further comprising stationary differential GPS receiver/transmitter means for operating in conjunction with, and transmitting said correction signal to, said differential GPS receiver means and being positioned [arranged] at a known global earth location geographically located with respect to said golf course[, said stationary GPS receiver/transmitter means operating in conjunction with, and transmitting said correction signal to, said differential GPS receiver means].

In claim 42, line 3, replace "adaptable" with --adapted--.

43. (Amended) A system for determining the distance [to a hole] between a first location and a second location on a particular hole on a golf course, comprising:

(A) GPS receiver means positioned at said first location, [arranged to receive] for receiving a global earth position of said first location;

(B) a memory element having means for storing digitized map representations of a plurality of holes on a golf course; and

[(B)] (C) processing means in communication with said GPS receiver means, comprising

i) means for correlating said global earth position with said digitized map representations to automatically identify said particular hole on said golf course [memory means for storing a location of at least one hole of said golf course], and

ii) [correlation]means for correlating said [global earth position] first location to said second location[, wherein] to determine the distance from said [global earth position] first location to said second location[is determined].

44. (New) A system according to claim 43 wherein said memory element includes means for storing digitized map representations of a plurality of golf courses and said system includes means for correlating said global earth position with said digitized map representations of said plurality of golf courses to automatically identify a particular golf course that a golfer has selected to play.

45. (New) A system according to claim 43 wherein said system includes a visual display for displaying at least a portion of a particular hole that a golfer has selected to play on said particular golf course, and means for dynamically updating said displayed portion of said particular hole in dependence on said first location.

46. (New) A portable distance tracking system for use by a golfer on a golf course, wherein said golf course includes at least a first land mark, and wherein said system comprises at least one mobile interface unit including:

A. a memory element including means for storing digitized map representations of a plurality of golf courses;

B. position interface electronics including a first GPS receiver for receiving position indicative signals from a Global Positioning System satellite constellation located in orbit around the Earth, wherein said position indicative signals are representative of a geographical location of said mobile interface unit;

C. a data processor, coupled to said memory element and to said position interface electronics, and including means for processing said position indicative signals to determine said geographical location of said mobile interface unit, means for correlating said geographical location of said mobile interface unit with said digitized map representations to automatically identify a particular golf course that a golfer has selected to play, means for correlating said digitized map representation of said particular golf course with said geographical location of said mobile interface unit to determine a field location of said mobile interface unit on said particular golf course, and means for determining a distance between said mobile interface unit and said first landmark; and

D. a player interface, coupled to said data processor, and including means for communicating at least said distance between said mobile interface unit and said first landmark to said golfer.